Press Release

New thrust pad contacting device for the Baltic crimper

Less wear and superior fiber quality

Neumünster, March 26, 2020 – Technological changes to Oerlikon Neumag's Baltic crimper thrust pad contacting device have resulted in considerably reduced friction in the crimper rolls and hence less wear and fewer metal particles contaminating the crimped staple fibers.

Thrust pads close the gap between the crimper rolls on either side. Normally, these thrust pads are continually pressed – under high pressure – against the sides of the crimper rolls. Wear and metal debris on the thrust pads is the result of this constant contact. The metal debris can contaminate the fibers, something that is particularly undesirable in hygiene applications.

New thrust pad contacting device for reduced metal debris and greater durability

With the new system, the thrust pads are pressed against the rolls with less pressure and then fixed into place. This prevents fibers from being caught and the frictional force between the pressure disk thrust pad and the crimper roll is minimized. Pilot applications have demonstrated that metal debris from the pressure disks thrust pads is dramatically reduced, making them between three and seven times more durable.

The new thrust pad contacting device is now available.

1,241 characters including spaces

Caption: Considerably reduced wear to the pressure disk after 24 hours of operation using the new fixing system with deactivated thrust pad rotation

Caption: Signs of wear to the pressure disk after 24 hours of operation using the old fixing system with deactivated thrust pad rotation

Caption: Oerlikon Neumag Baltic crimper - new thrust pad contacting device for less wear

For further information:

Claudia Henkel
Marketing, Corporate Communications
& Public Affairs
Tel. +49 4321 305 105
Fax +49 4321 305 212
claudia.henkel@oerlikon.com

André Wissenberg
Marketing, Corporate Communications
& Public Affairs
Tel. +49 2191 67 2331
Fax +49 2191 67 1313
andre.wissenberg@oerlikon.com

About Oerlikon

Oerlikon (SIX: OERL) engineers materials, equipment and surfaces and provides expert services to enable customers to have high-performance products and systems with extended lifespans. Drawing on its key technological competencies and strong financial foundation, the Group is sustaining mid-term growth by addressing attractive growth markets, securing structural growth and expanding through targeted mergers and acquisitions. A leading global technology and engineering Group, Oerlikon operates its business in two Segments – Surface Solutions and Manmade Fibers – and has a global footprint of

more than 11 100 employees at 182 locations in 37 countries. In 2019, Oerlikon generated CHF 2.6 billion in sales and invested more than CHF 120 million in R&D.

For further information: www.oerlikon.com

About Oerlikon Segment Manmade Fibers
With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems, solutions for the production of nonwovens and – as a service provider – offers engineering solutions for the entire textile value added chain. As a future oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies (e-save). With the supply of continuous polycondensation and extrusion systems and their key components, the company caters to the entire process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off by automation and industry 4.0 solutions. The primary markets for the products of Oerlikon Barmag are in Asia, especially in China, India and Turkey, and – for those of Oerlikon Neumag and Oerlikon Nonwoven – in the USA, Asia, Turkey and Europe. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly-qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow’s world.

For further information: www.oerlikon.com/manmade-fibers